

ERANTONOV, I.B., assistant

Preservation of the internal sphincter in transurethral  
adenomectomy. Sbor. nauch. rab. Ser. gos. med. inst. 44:10-  
98 '64.

Treatment of adenoma of the prostate gland. Ibid.:171-198

Hemostasis during and following adenomectomy. Ibid.:191-201  
(1974 10:2)

1. Iz khimicheskoy khirurgicheskoy kliniki gastroenterologicheskogo  
fakul'teta (nav. o prof. N.I. Galitskiy) Samaranskogo medicinskogo  
instituta (Samar. gos. med. inst. im. N.I. Gubkina) i  
nuy klinicheskoy bol'nitsy. Sbornik nauch. rab. gos. med. in-  
stituta - 1974. 10:2.

KHARITONOV, I.B., assistant; LUGOVSEVA, G.P., vrach; LAPITSKAYA, Z.P., vrach

Vesicoureteral reflux. Sbor. nauch. rab. Sar. gos. med. inst. 44:  
201-206 '64. (MIRA 18:7)

1. Iz fakul'tetskoy khirurgicheskoy kliniki pediatricheskogo  
fakul'teta (zav. - prof. N.I. Golubev) Saratovskogo meditsinskogo  
instituta (rektor - dotsent N.R. Ivarov) na baze Dorozhnoy klini-  
cheskoy bol'nitsy Privolzhskoy zheleznoy dorogi (nachal'nik - R.F.  
Nazarenko).

USSR/Human and Animal Physiology. Excretion

T-7

Abs Jour : Ref Zhur - Biol., No 14, 1958, No 65342

Author : Kharitonov I.F.

Inst : -

Title : Neuroreflex Regulation of the Motor Function of the Ureters.

Orig Pub : Eksperim. Khirurgiya, 1957, No 4, 48-53

Abstract : Injecting 1 ml of a 10% solution of Ag NO<sub>3</sub> into the ureter of a dog, stimulating a splanchnic nerve or a peripheral nerve at the level of the second lumbar vertebra, the stretching of the urinary bladder associated with overfilling it, stimulating the testicles and particularly the spermatic cord, distension of the pelvis with uring following ligation of a ureter, pulling on the mesentery, and irritation of the peritoneum, small and large intestine, and especially of the rectum-all inhibited the peristalsis and tonus of the ureter. When the in situ or isolated ureter was anesthetized with novocaine or dicaine, the response of the

Card : 1/1 ureter to all of these stimuli disappeared.

<sup>61</sup>  
*Chair of Normal Physiology & Surgical Clinic in A.V. Vishnevskiy  
Kazan Med. Inst.*

KHARITONOV, I.F., Doc Med Sci--(diss) "<sup>Neuro</sup>~~Neuro~~ reflectory regulation of the motor function of the ureters." Kazan', 1958. 24 pp (Kazan' State Med Inst), 250 copies (Kl,30-58,131)

KHARITONOV, I.F., dotsent

Problems in pediatric surgery on children at the First All-Russian Congress of Surgeons. Kaz.-med.zhur. 40 no.2:109-110  
Mr-Apr '59. (MIRA 12:11)

(CHILDREN--SURGERY)

KHARITONOV, I.F., doktor med.nauk (Kazan'); RATNER, Yu.A., prof. (Kazan');  
SHUBIN, V.N., prof. (Kazan'); SHULUTKO, L.I., prof. (Kazan');  
ROZENGARTEN, M.Yu. (Kazan')

Twenty-seventh All-Union Congress of Surgeons. Kaz.med.zhur. no.5:  
96-99 S-O '60. (MIRA 13:11)  
(SURGERY--CONGRESSES)

KHARITONOV, I.F., doktor med.nauk (Kazan')

Professor S.M. Alekseev; obituary. Kaz. med. zhur. no.6:95 N-D '60.  
(ALEKSEEV, SERGEI MIKHAILOVICH, 1886-1960) (MIRA 13:12)

KHARITONOV, I.F.

Clinical aspects of disorders of the motor function of the  
ureters. Kaz.med. zhur. no.1:36-39 Ja-F'61 (MIRA 16:11)

1. Fakul'tetskaya khirurgicheskaya klinika im. A.V. Vishnevskogo  
(zav. - prof. S.M. Alekseyev [deceased]) Kazanskogo meditsinsko-  
go instituta i Respublikanskaya klinicheskaya bol'nitsa (glav-  
vrach Sh.V. Bikchurin).

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KHARITONOV, I.F., doktor med.nauk

Diagnosis of retroperitoneal hematomas in children following severe injuries. Kaz. med. zhur. no.5:42-46 S-O '61. (MIRA 15:3)

1. Kurs khirurgii detskogo vozrasta (zav. - doktor med.nauk I.F. Kharitonov) Kazanskogo meditsinskogo instituta na baze Respublikanskoy klinicheskoy bol'nitsy (glavnyy vrach .. Sh.V. Bikhurin [deceased]).

(RETROPERITONEAL SPACE WOUNDS AND INJURIES)  
(HEMATOMA)



KOZYREVA, I.V. (Kazan'); KHARITONOV, I.P. (Kazan')

Professor Mikhail Moiseevich Shalagin; obituary. Kaz. med.  
zhur. no.5:97-98 S-Q '61. (MIRA 15:3)  
(SHALAGIN, MIKHAIL MOISEEVICH, 1903-1961)

KHARITONOV, I. F., doktor med. nauk

Role of the interoceptors of the ureters in their motor function.  
Urologiia no.2:38-42 '62.† (MIRA 15:4)

1. Iz kafedry normal'noy fiziologii (zav. - prof. I. N. Volkova)  
Kazanskogo meditsinskogo instituta.

(URETERS--INNERVATION)

KHARITONOV, I.F., prof.

Nephrolithiasis in childhood. Kaz.med. zhur. no.1:35-38  
Ja-F'63. (MIRA 16:8)

1. Fakul'tetskaya khirurgicheskaya klinika imeni A.V.  
Vishnevskogo (sav. - prof. I.F.Kharitonov) Kazanskogo  
meditsinskogo instituta.  
(CALCULI, URINARY)

KHARITONOV, I.F.

Problems of nervism in the scientific and practical activities  
of the A.V.Vishnevskii Clinic of the Department of Surgery.  
Nauch. trudy Kaz. gos. med. inst. 14:569-571 '64. (MIRA 18:9)

1. Kafedra fakul'tetskoy khirurgii (zav. -- prof. I.F.Kharitonov)  
Kazanskogo meditsinskogo instituta.

KOZLOV, V.Sh., inzh.; SAMOLETOV, M.V., inzh.; KHARITONOV, I.G., inzh.;  
KORSHUNOV, D.A., kand. tekhn. nauk

Standardization of open gantry cranes. Prom. stroi. 42 no.6:  
20-23 '65. (MIRA 18:12)

1. Kiyevskiy gosudarstvennyy proyektnyy institut po obshchestroi-  
tel'nomu i sanitarno-tekhnicheskomu proyektirovaniyy promyshlennykh  
predpriyatiy Gosstroya SSSR (for all except Korshunov). 2. Nauchno-  
issledovatel'skiy institut stroitel'nykh konstruktsiy Gosstroya SSSR  
(for Korshunov).

AVDEYEV, B.A.; BALASHOV, B.F., kandidat tekhnicheskikh nauk, retsentsent;  
KHARITONOV, I.I., inzhener, retsentsent; BORISOV, S.V., inzhener,  
redaktor; MODEL', B.I., tekhnicheskii redaktor.

[Testing machines and instruments] Ispytatel'nye mashiny i pribory.  
Moskva, Gos.nauchno-tekhn.isd-vo mashinostroit.lit-ry, 1957. 350 p.  
(MLRA 10:4)

(Testing machines)

KHARITONOV, I.I.

Automatic inertia compensator in fatigue testing machines with  
rotating fields of force. Zav.lab. 25 no.9:1137-1138 '59.  
(MIRA 13:1)

1. Spetsial'noye konstruktorskoye byuro ispytatel'nykh mashin.  
(Fatigue testing machines)

KHARITONOV, I.P., Cand Tech Sci -- (diss) "Design for the strength, rigidity, and stability of girders with rigid junction connections." Dnepropetrovsk, 1955, 14 pp (Min of Higher Education UkSSR. Dnepropetrovsk Order of Labor Red Banner Metallurgical Inst im I.V. Stalin) 110 copies (KL, 23-58, 10b)

- 88 -



AUTHORS: Mikhaylov, A.V., Doctor of Technical Sciences, and  
Kharitonov, I.S., Engineer SOV/98-59-1-2/14

TITLE: The Stalingrad Hydroelectric Power Plant (Stalingrads-  
kaya gidroelektrostantsiya)

PERIODICAL: Gidrotekhnicheskoye stroitel'stvo, 1959, <sup>2d</sup> Nr 1, pp 6-15  
(USSR)

ABSTRACT: This is a very detailed description of the Stalingrad  
Hydroelectric Power Plant, now in construction. The  
general power output of the plant is fixed at 2,530 mega-  
watts produced by 22 turbines of 115 megawatts each.  
The volume of earth works amounts to 144,000,000 cu m,  
the volume of concrete and reinforced concrete amounts  
to 5,620,000 cu m; the volume of stone embankments and  
fillings - to 1,500,000 cu m and the drainages and  
filter - to 1,560,000 cu m. A total of 30,400 tons of  
metallic piles will be used and 71,600 tons of metallic  
structures will be erected. The earth-silted dam will  
consist of three parts: two in the river valley (one -  
between the left river bank and the sluices, 1,270 m

Card 1/2

The Stalingrad Hydroelectric Power Plant

SOV/98-59-1-2/14

long, the second - between the sluices and the water-spill dam, 860 m long); the third part, in the river bed, between the power plant and the right river bank. The total length of the spillway dam and the power plant will be 1,900 m. The capacity of the spillway dam is 31,000 cu m a second, increasing to 45,300 cu m a second during spring floods. A detailed description of the power plant and other parts is given. There are two photos, four lay-outs, four profiles, and one table.

Card 2/2

KHARITONOV, I.V.

Defects and the repair of table-type dial scales. Izv.tekh. no.2:90-91  
Mr-Ap '56. (Scales (Weighing instruments)) (MLBA 9:7)

VOLOVNIK, Ya., inzh.; KHARITIONOV, K., inzh.

Assembling the main building of a thermal electric station of  
precast reinforced concrete. Stroitel' no.5:3-5 My '61.

(MIRA 14:6)

(Precast concrete construction)

(Dzerzhinsk—Electric power plants)

MAYLER, Z.L., inzh.; KHARITONOV, K.F., inzh.

Complex transformer substations with precast reinforced  
concrete block-type casings. Prom. energ. 18 no.12:39-43  
D '63. (MIRA 17:1)

KHARITONOV, K. F.; MIKHAYLOV, G. S.; GROBIVKER, M. P.

Selenium rectifiers for continuous charging of storage batteries.  
Energetik 10 no.8:16-17 Ag '62. (MIRA 15:10)

(Storage batteries)  
(Electric current rectifiers)

SHANNIKOV, V.M.; KHARITONOV, K.P.; GORDIYENKO, S.L.

Experimental determination of pressures and temperature on  
the surface of plastic goods during their manufacture. Plast.  
massy no.3:36-38 '64. (MIRA 17:3)

KEARITCEV, I. F. — Cand. Tech. Sci.

Dissertation: "Studying the Causes of Nonuniform Deformations of Rashelev Linen and Their Elimination." Moscow Textile Inst, 2 Jul 47.

SC: Vechernyaya Moskva, Jul, 1947 (Project #17836)



KHARITONOV, L.F., kandidat tekhnicheskikh nauk.

~~WORKS OF THE USSR ACADEMY OF SCIENCES~~

Elimination of biased pull in raschel cloth. Leg.prom. 7 no.9:23-24 Ag '47.  
(MIRA 6:11)

(Hosiery industry)

ТЕХНИКА ВЯЗАНИЯ / ТЕХНИКА ВЯЗАНИЯ

MIKHAYLOV, Konstantin Dmitriyevich; KHARITONOV, Lev Fedorovich; GUSEVA, Antonina Aleksandrovna; DALIDOVICH, A.S., redaktor; MIL'CHENKO, I.S. redaktor; NADEZHDA, N.P., kandidat tekhnicheskikh nauk, retsenzent, [deceased]; IGNATOVA, L.P., kandidat tekhnicheskikh nauk, retsenzent; PLEMYANNIKOV, M.N., redaktor; NEKRASOVA, O.I., tekhnicheskii redaktor

[Knitting technology] Tekhnologiya trikotazha. Pod obshchei red. A.S. Dalidovicha, L.S. Mil'chenko i K.D. Mikhailova. Moskva, Gos. nauchno-tekhn. izd-vo M-va legkoi promyshl. SSSR, 1956.  
825 p. (MLRA 10:5)

(Knitting machines)

KHARITONOV, L.F., kand.tekhn.nauk, dotsent

Basic interlacing determining the techniques of the tricot-warp  
knitting system. Izv.vys.ucheb.zav.;tekh.leg.prom. no.4:118-  
135 '61. (MIRA 14:10)

1. Moskovskiy tekstil'nyy institut. Rekomendovana kafedroy  
tekhnologii trikotazhnogo proizvodstva.  
(Knitting)

KHARITONOV, L. G.

Vliianie vysokikh skorostei na kharakter povrezhdeniia podshipnikov kacheniiia.  
(Vestn. Mash., 1950, no. 11, p. 17-20)

Includes bibliography.

Influence of high speeds upon the type of damage of rolling contact bearings.

DLC: T14.V4

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library  
of Congress, 1953.

KAZANSKIY, V.I., prof. KHARITONOV, L.G.

Modern trends in the treatment of acute appendicitis [with summary  
in English]. Khirurgiya 34 no.4:36-42 Ap '58 (MIRA 11:7)

1. Iz khirurgicheskoy kliniki (zav. - prof. V.I. Kazanskiy)  
TSentral'nogo instituta usovershenstvovaniya vrachey (dir. V.P.  
Lebedeva) na baze TSentral'noy klinicheskoy bol'nitsy Ministerstva  
putey soobshcheniya (nachal'nik V.W. Zakharchenko).

(APPENDICITIS,  
modern trends (Rus))

KHARITONOV, L.G.

Alloplasty of the thoracic section of the esophagus in experiment.  
Khirurgiia 36 no.3:73-81 Mr '60. (MIRA 13:12)  
(~~ESOPHAGUS~~—SURGERY)

KHARITONOV, L.G., aspirant

Alloplasty of the resected esophagus under clinical and experimental conditions; survey of foreign and Russian literature. Vest. khir. 86 no.2:103-111 '61. (MIRA 14:2)

1. Iz 4-y khirurgicheskoy klin'ki (zav. - prof. V.I. Kazar'skiy)  
TSentral'nogo instituta usovershenstvovaniya vrachey na baze  
TSentral'noy klinicheskoy bol'nitsy (nach. - zasluzh. vrach  
RSFSR V.N. Zakharchenko) Ministerstva putey soobshcheniya.  
(ESOPHAGUS—SURGERY)

KHARITONOV, L.G.

Pathomorphological changes occurring in tissues around a polyethylene prosthesis applied to restore the continuous function of a resected esophagus. Eksp. khir. i anest. 6 no.5:55-56 S-O '61. (MIRA 15:3)

1. Iz 3-y kafedry khirurgii (zav. - prof. V.I. Kazanskiy) Tsentral'nogo instituta usovershenstvovaniya vrachey na baze Tsentral'noy klinicheskoy bol'nitsy (nachal'nik - zasluzhennyy vrach RSFSR V.N. Zakharovskiy) Ministerstva putey soobshcheniya. (ESOPHAGUS—SURGERY)



KAZANSKIY, V.I., prof.; KHAIFONOV, L.G.

Three operations for cardiac aneurysm. Khirurgiia no.1:35-38  
'62. (MIRA 15:11)

1. In 3-y kafedry khirurgii (zav. - prof. V.I. Kazanskiy) Tsentral'nogo instituta usovershenstvovaniya vrachey na baze Tsentral'noy klinicheskoy bol'nitsy Ministerstva putey soobshcheniya (nach. - zasluzhennyy vrach RSFSR V.N. Zakharchenko).  
(CARDIAC ANEURYSMS)

KHARITONOV, L.G. (Moskva Ye-401, Pionerskaya ul., d.13, kv.1); KAGAN, Ye.M.; BENENSON M.P.

Research on the functional characteristics of a prosthetic esophagus. Grud.khir. 4 no.6:80-83 N-D'62. (MIRA 16:10)

1. Iz 3-y kafedry khirurgii TSentral'nogo instituta usovershenstvovaniya vrachey (zav. - prof. V.I.Kazanskiy), rentgenodiagnosticheskogo otdela (zav. - prof. I.A.Shekhter) Gosudarstvennogo nauchno-issledovatel'skogo rentgenoradiologicheskogo instituta Ministerstva zdravookhraneniya RSFSR, rentgenologicheskogo otdeleniya TSentral'noy klinicheskoy bol'nitsy Ministerstva putey soobshcheniya (zav. - dotsent S.A. Sviridov)

(ESOPHAGUS---SURGERY) (PROSTHESIS)

KHARITONOV, L.G., kand. med. nauk

Restoration of esophageal patency in inoperable cancer by permanent intubation; a review of Soviet and foreign literature. Khirurgiia (MIRA 17:11) 39 no.11:135-140 N '63.

1. Iz 3-y kafedry khirurgii (zav. - prof. V.I. Kazanskiy) TSentral'nogo instituta usovershenstvovaniya vrachey na baze TSentral'noy klinicheskoy bol'nitsy (nachal'nik - заслуженный врач РСФСР V.N. Zakharchenko) Ministerstva putey soobshcheniya.

KHARITONOV, L.G.

Permanent intubation of the esophagus in inoperable cancer patients.  
Trudy TSIU 62:212-219 '63. (MIRA 18:3)

1. III kafedra khirurgii (zav. prof. V.I.Kazanskiy) TSentral'nogo  
instituta usovershenstvovaniya vrachey.

KHARITONOV, L.G., kand. med. nauk (Moskva, Ye-20, pionerskaya ulitsa, d. 13, kv.1)

Use of plastic esophageal prostheses. Vest. khir. 90 no.5:3-8  
My\*63 (MIRA 17:5)

1. Iz 3-kafedry khirurgii (zav. - prof. V.I. Suzanskiy) Tsentral'nogo instituta usovershenstvovaniya vrachey na baze Tsentral'noy klinicheskoy bol'nitsy (nachal'nik - zasluzhennyy vrach RSFSR V.M. Zakharchenko) Ministerstva putey soobshchaniya.

KHARITONOV, L.G. (Moskva Ye-402, Pionerskaya ul., d.13, kv.1); BENENSON, M.P.  
(Moskva); MAKAROVA, K.A. (Moskva)

Combination of a leiomyoma and cancer of the esophagus. Grud. khir.  
6 no.4:106-107 J1-4g '64. (MIRA 18 4

KHARITONOV, L.G., kand. med. nauk; BOGDANOV, A.V.

Cancer of the esophagus and cardia in pulmonary tuberculosis.  
Sov. med. 27 no.8:62-65 Ag '64. (MIRA 18:3)

1. 3-ya kafedra khirurgii (zav.- prof. V.I. Kazanskiy) Tsentral'-  
nogo instituta usovershenstvovaniya vrachey na baze Tsentral'noy  
klinicheskoy bol'nitsy (nachal'nik V.N. Zakharchenko) Ministerstva  
putey soobshcheniya, Moskva.

KAZANSKIY, V.I., prof.; BOGDANOV, A.V.; KHARITONOV, L.G., kand. med. nauk; RASTRIGIN, N.N., kand. med. nauk

Causes of fatal outcome following radical operations for cancer of the upper section of the stomach involving the esophagus. Khirurgiia 40 no.2:93-98 F '64. (MIRA 17:7)

1. 3-ya kafedra khirurgii (zav. - prof. V.I. Kazanskiy)  
TSentral'nogo Instituta usovershenstvovaniya vrachey na baze  
TSentral'noy klinicheskoy bol'nitsy Ministerstva putey soobshcheniya, Moskva.



LIMONENIK, S.I., kand. med. nauk; PHILIPCHEN, A.G., kand. med. nauk;  
BOGDANOV, A.V.

Valvulotubular gastrectomy in the surgery of cancer of the  
stomach and esophagus. Khirurgiya 40 no.8:124-126 Ig '84.

(NIIA 10:3)

1. III kafedra khirurgii (zav. - prof. V.I. Karanskiy) tsentral'-  
nogo instituta usovershenstvovaniya vrachev na baze tsentral'nogo  
klinicheskoy bol'nitsy (nachal'nik - zasluzhennyy vrach 1936  
V.N. Iakharchenko) Ministerstva putey sverkhensnaya i ludoymovaya  
bol'nitsa No.2 (glavnyy vrach I.I. Iep'ov, Meditsinskaya, Moskva).

Suppose that treatment  $i^*$  has the largest  $\theta_i$  among all  $i \in \{1, \dots, I\}$ . Then,  $\theta_{i^*} = \max_{i \in \{1, \dots, I\}} \theta_i$ .

[illegible]

RASSTRIGIN, N.N.; KHARITONOV, L.G.; BOGDANOV, A.V.

Complications in esophagoscopy under anesthesia and their diagnosis and treatment, Khirurgiya 40 no.9:78-82 3 '64. (MIRA 18:2)

1. Iz-ya kafedra khirurgii (rav. - prof. V.I. Kuznetsov) Tsentrального Instituta usoveshchaniya vrachey na base TSentrальной klinicheskoy bol'nitsy (nachal'nik - zasluzhennyy vrach R.S.S.R. V.N. Zakharovskiy) Ministertva zdravookhraneniya, Moskva.

NEKRITOMOV, L.G., kand. med. nauk; BOGDANOV, A.T.

Lesion of the thoracic duct during surgery on the esophagus.  
Khirurgiya 40 no.9:84-86 S 1961 (MIA 1962)

1. Tratiya kafedra khirurgii (rav. - prof. V.I. Kuznetsov)  
TSentral'nogo instituta anesteziologii i reanimatsii na baze  
TSentral'nogo klinicheskoy bol'nitsy (Leningrad - M. L. Cherny)  
vrach PSOR V.B. Zakharenko) Institut khirurgii i reanimatsii,  
Mosc.

KAZANSKIY, V.I., prof. (Moskva, Leningradskiy prospekt 87, kv.1);  
KHARITONOV, L.G., kand. med. nauk; RASSTRIGIN, N.N., kand.  
med. nauk; BOGDANOV, A.V.

Prevention and treatment of complications following radical  
operations in cancer of the central thoracic section of the  
esophagus. Vest. khir. 92 no.4:9-13 Ap '64

(MIRA 18:1)

1. Iz 3-y kafedry khirurgii (zav. - prof. V.I.Kazanskiy)  
TSentral'nogo instituta usovershenstvovaniya vrachey na  
base TSentral'noy klinicheskoy bol'nitsy (nachal'nik - za-  
sluzhennyy vrach RSFSR V.N. Zacharenko) Ministerstva pul'y  
scobshcheniya.

BOGDANOV, A.V.; KRAYTSEY, L.I.; KHARITONOV, L.G.

Cancer of the upper region of the stomach with transition into the esophagus in patients over 60 years of age. Khirurgiia 41 no.4:52-56 Ap '65. (MIRA 18:5)

1. 3-ya kafedra khirurgii (zav. - prof. V.I. Kazanskiy) TSentral'nogo instituta usovershenstvovaniya vrachey na baze TSentral'noy klinicheskoy bol'nitsy Ministerstva putey soobshcheniya, Moskva.

KAZANSKIY, V.I.; BOGDANOV, A.V.; KHARITONOV, I.G.

Selection of the esophageal anastomosis in radical operations for cancer of the upper portion of the stomach invading the esophagus. Vop. onk. 11 no.7:18-23 '65. (MIRA 18:9)

1. Iz 3-ey kafedry khirurgii (zav.- prof. V.I. Kazanskiy)  
TSentral'nogo instituta usoversheystvovaniya vrachey na baze  
TSentral'noy klinicheskoy bol'nitsy Ministerstva putey  
soobshcheniya (nachal'nik - zasluzhennyy vrach RSFSR V.N.  
Zakharchenko).

KHARITONOV, L.G., dotsent, kandidat tekhnicheskikh nauk [reviewer]; KOSHKIN, K.T.;  
~~EFREMOV~~ EFREMOV, V.V. [authors].

"Repair requirements in the construction of automobiles." K.T.Koshkin, V.V.  
Efremov. Reviewed by L.G.Kharitonov. Vest.mash. 33 no.11:105-106 N '53.

(MLBA 6:12)

(Automobiles--Repairing)



KHARITONOV, L.G.

Nomogram for determining microhardness in the PMT-3 testing machine. Zav.lab. 25 no.10:1249-1250 '59. (MIRA 13:1)

1. Novosibirskiy institut inzhenerov vodnogo transporta.  
(Hardness)

18.8200 1327 1413

31743  
S/148/61/000/010/003/003  
E193/E383

AUTHOR: Kharitonov, I.G.

TITLE: Non-destructive determination of the ultimate tensile strength and elongation of low-carbon steel

PERIODICAL: Izvestiya vyssikh uchebnykh zavedeniy, Chernaya metallurgiya, no. 10, 1961, 170 - 176

TEXT: The main disadvantage of the standard methods of determining the mechanical properties of metals by means of a tensile test is the necessity of using a test piece. Hence, need arises to develop other, non-destructive, methods of determining these properties and one possible solution of this problem is based on the fact that strength and elongation are related to hardness of metals. Thus, N.N. Davidenkov et al (Ref. 1 - Zavodskaya laboratoriya, no. 10, 1945) have correlated the hardness number obtained with the aid of a conical indenter (cone angle of 90°) with UTS, true tensile strength and elongation and have proposed the following formula for calculating UTS ( $\sigma_B$ ):

Card 1/119

Non-destructive determination

31743  
S/148/61/000/010/003/003  
E193/E383

$$\sigma_B = a_1 H_{90} - b_1 \quad \text{kg/mm}^2 \quad (1)$$

where  $H_{90} = 4P/\pi d^2$  is the hardness number determined with a conical indenter with a cone angle of 90°  
P is the test load, kg.  
d is the impression diameter, mm, and

$a_1$  and  $b_1$  are the coefficients determined experimentally.

This and other formulae, however, can have only limited application (for example, for determining UTS of a given type of steel) since, very often, metals with different UTS have identical hardness. Prompted by this consideration, Zaytsev and Smolich (Ref. 5 - Zavodskaya laboratoriya no. 11 1950) proposed to relate hardness to both UTS ( $\sigma_B$ ) and elongation ( $\delta_p$ ) and derived the formula.

$$P = ad^2 \sigma_B^n \delta_p^{-2} \quad (2)$$

Card 2/119

31743

S/148/61/000/010/003/003

E193/E383

Non-destructive determination ....

where  $P$  is the test load applied to a conical indenter  
with a cone angle of  $2\beta$  (kg),  
 $a$  is a dimensional plasticity coefficient ( $\text{kg}/\text{mm}^2$ ),  
proportional to the yield strength (for metals forming  
a neck intention),  
 $n$  is a dimensionless plasticity coefficient,  
proportional to uniform elongation and  
 $d$  is the impression diameter (mm).

By applying formula (2) to results of two hardness tests  
carried out with indenters characterized by different  $\beta$ ,  
UTS and  $\delta$  can be determined. The object of the present

investigation was to develop further the method of determining  
UTS and  $\delta$  of low-carbon steels by hardness tests conducted  
with the aid of a portable hardness tester. Since the method  
was intended for testing soft, untreated steel components of  
large constructions, hardened-steel conical indenters were used.  
Relatively low test loads (150 - 250 kg) were employed to keep  
the size of the portable tester within convenient limits. The  
hardness number,  $H$ , was calculated from the formula:

Card 3/11 9

Non-destructive determination ..... <sup>317h3</sup> S/148/61/000/010/003/003  
E193/E383

$$H = \frac{4P}{\pi d^2}, \text{ kg/mm}^2 \quad (3), \quad \chi$$

where P is the test load (kg) and  
d the impression diameter (mm).

Two methods were used to determine UTS and  $\delta_p$ . The first method was based on using impressions made by two or more indenters with different cone angles. Several impressions were made with each indenter and from these the average hardness H was calculated. The plasticity parameters of the metal were found from the equation:

$$H = C \cos^{n-2} \beta \quad (4)$$

obtained from Eqs. (2) and (3), where  $C = 4a/\pi$  is a parameter proportional to UTS and  $\beta$  is the cone half-angle. The parameters C and n in Eq. (4) were then found by the method of least squares, starting from a logarithmic transposition of

Card 4/11 9

Non-destructive determination ....

S/148/61/000/010/003/003  
E193/E383

Eq. (4) in the form:

$$\lg H = (n - 2)\lg \cos \beta + \lg C \quad (5)$$

General formulae were derived which, for the case when two different indenters only are used, have the form of:

$$n - 2 = \frac{\lg H_1 - \lg H_2}{\lg \cos \beta_1 - \lg \cos \beta_2} \quad (8)$$

$$\lg C = \frac{\lg \cos \beta_1 \lg H_2 - \lg \cos \beta_2 \lg H_1}{\lg \cos \beta_1 - \lg \cos \beta_2} \quad (9)$$

where indices 1 and 2 relate to the number of the indenter.  
As has been shown by experiment, UTS and  $\delta_p$  of low-carbon  
(less than 0.30% C) steels can be calculated from:

Card 5/119

Non-destructive determination .... <sup>31743</sup>  
S/148/61/000/010/003/003  
E193/E383

$$\sigma_B = a_c C + b_c \quad (10)$$

and

$$\delta_p = a_n (n - 2) + b_n \quad (11) ,$$

where  $a_c = 0.2$ ,  $b_c = 7.6$ ,  $a_n = 0.22$  and  $b_n = 0.24$  .

In the second method (which can be used only if the thermal and mechanical history of the steel is known) the UTS was determined from the impression made by a conical indenter with a cone angle of  $90^\circ$ . The hardness number,  $H_{90}$ , was determined from Eq. (5) and UTS ( $\sigma_B$ ) from the formula:

$$\sigma_B = a_{90} H_{90} + b_{90} \quad (12) ,$$

where  $a_{90} = 0.21$  and  $b_{90} = 8.0$  . The applicability of both

Card 6/114

Non-destructive determination .... <sup>31743</sup>  
S/148/61/000/010/003/003  
E193/E383

methods was checked on various steels, including: ~~CT3~~ (St.3);  
3TC (3TS); 4T; St.10, St.20 and St.25. In the first place,  
the validity of Eq. (4) was checked. The results obtained with  
conical indenters made of hardened steel Y 12A (U12A),  
tempered to 60 - 64 R<sub>C</sub>, indicated that in the range of cone  
angles (80 - 45°) and steels studied, the experimental  
relationship between hardness number H and the cone angle β  
followed fairly accurately Eq. (4) and this relationship for  
some of these steels is described by the following formulae:

$$\text{St.3} \quad .. \quad H = 154.6 \cos^{0.29} \beta ;$$

$$3\text{TS} \quad .. \quad H = 170.5 \cos^{0.248} \beta ;$$

$$4\text{T} \quad .. \quad H = 179.3 \cos^{0.286} \beta .$$

The minimum and maximum deviations from the experiments were  
0.5 - 0.6 and 0.8 - 1.6%, respectively. The accuracy of the  
measurements was not affected by the variation of the test load

Card 7/11 9

31743  
S/148/61/000/010/003/003

Non-destructive determination .... E193/E383

in the 187.5 - 750 kg range. The results of the next series of tests in which UTS and elongation determined by tensile tests were compared with those obtained from hardness numbers are given in Table 2. A portable hardness-tester, weighing 5.5 kg, designed specially for the purpose of non-destructive determination of UTS and  $\delta$  is illustrated schematically in Fig. 2. It consists of a lower housing (1) in an annular recess of which an electromagnet coil (2), mounted on a copper frame, is accommodated. The central bore of housing (1) accommodates the indenter (4), mounted at the top of a piston (3), supported by a spring (5). The upward movement of this piston is limited by a ring (6), screwed-on to its bottom end. The housing (1) is screwed tightly into a cylinder (7), which is provided with a pressure gauge (8). The top piston (9), operated by a flywheel (10), through a threaded coupling rod (11) and a steel ball (12), transmits the pressure to the bottom piston through a layer of pure mineral oil placed in the cylinder when the instrument is first assembled.

I.T. Goroshchenko assisted in the design of this apparatus.

Card 8/11 9



Non-destructive determination ... S/148/61/<sup>31743</sup>000/010/003/003  
E193/E385

On switching-on the current (AC or DC) the instrument becomes firmly attached to the steel component being tested; when the surface is uneven, soft steel spacers can be used. A description of a portable measuring microscope is also given. It is stated in conclusion that the conventional method of determining UTS and  $\delta$  can be replaced by the non-destructive method described in the present paper only after a certain transition period during which both methods would have to be used side-by-side. The purpose of this transition period would be to establish the accuracy of the new method when applied under industrial conditions, to introduce necessary modifications and to improve the design of the testing equipment. There are 3 figures, 2 tables and 11 references:  
9 Soviet-bloc and 2 non-Soviet-bloc.

ASSOCIATION: Novosibirskiy institut inzhenerov vodnogo transporta (Novosibirsk Institute of Water-transport Engineers)

SUBMITTED: October 17, 1960

Card 9/11 9

KHARITONOV, Leopol'd Georgiyevich, dots., kand. tekhn. nauk;  
SHPALENSKIY, M.A., inzh., retsenzent; FEDOROV, G.N.,  
inzh., retsenzent; FRID, L.I., inzh., red.; BODROVA,  
V.A., tekhn. red.

[Shipbuilding materials] Sudostroitel'nye materialy.  
Moskva, Izd-vo "Rechnoi transport," 1963. 260 p.  
(MIRA 16:6)

(Shipbuilding materials)

KHARITONOV, L.G.

Determination of the true tensile strength and even narrowing  
from experimental points of the diagram of true stresses. Zav.  
lab. 30 no.11:1391-1393 '64 (MIRA 18:1)

1. Novosibirskiy institut inzhenerov vodnogo transporta.

KHARITONOV, L.G.

- Criterion of the nonuniformity of tensile strain. Zav. lab. 31  
no.9:1123-1125 '65. (MIRA 18:10)

1. Novosibirskiy institut inzhenerov vodnogo transporta.

KHARITONOV, L.Ya

SHATSKIY, N.S.; BOGDANOV, A.A.; BELYAYEVSKIY, N.A.; VERESHCHAGIN, V.I.;  
ZAYTSEV, N.S.; KOSYGIN, Yu.A.; KROPOTKIN, P.N.; MURATOV, M.V.  
NAGIBINA, M.S.; OGNEV, V.N.; PAVLOVSKIY, Ye.V.; PEYVE, A.V.;  
PUSHCHAROVSKIY, Yu.M.; SALOP, L.I.; SOBOLEVSKAYA, V.N.;  
KHARITONOV, L.Ya.; KHRASKOV, N.P.; SHEYNMAN, Yu.M.; SHTREYS, N.A.;  
YANSHIN, A.I.; VERSTAK, G.V. redaktor izdatel'stva; GUROVA, O.A.  
tekhnicheskiiy redaktor

[Tectonic map of the U.S.S.R. and adjacent countries on a scale of  
1:5,000,000; explanatory notes] Tektonicheskaya karta SSSR i  
sopredel'nykh stran v mashtabe 1:5,000,000; ob"iasnitel'naya  
zapiska. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po geol. i  
okhrane nedr, 1957. 77 p. (MLRA 10:5)

1. Akademiya nauk SSSR.  
(Russia--Geology--Maps)

ANTROPOV, P.Ya., glavnyy red.; KHARITONOV, L.Ya., red.; GODOVIKOVA, L.A.,  
red. izd-va; GUROVA, O.A., tekhn. red.

[Geology of the U.S.S.R.] Geologiya SSSR. Glav. red. P. Ia. Antropov.  
Vol.27. [Murmansk Province] Murmanskaya oblast'. Red. L. Ia. Kharitonov.  
Pt.1. [Geological description] Geologicheskoe opisanie. 1958. 714 p.  
Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po geol. i okhrane neдр.  
(MIRA 11:8)

1. Russia (1923- U.S.S.R.) Ministerstvo geologii i okhrany neдр.  
(Murmansk Province—Geology)

KHARITONOV, L.Ya.

New data on the geology of Karelian formations in southern Karelia.  
Nauch.dokl.vys.shkoly; geol.-nauki no.4:143-150 '58.

(MIRA 12:6)

1. Leningradskiy universitet, geologicheskiy fakul'tet.  
(Karelia--Rocks, Crystalline and metamorphic)

3(5) KHARITONOV, L.Ya.

PHASE I BOOK EXPLOITATION

SOV/1192

USSR Ministerstvo geologii i okhrany nedr

Geologiya SSSR, t. XXVII: Murmanskaya oblast'. Ch. I, Geologicheskoye opisaniye. (Geology of the USSR, v. 27. Murmansk Oblast. Pt. I, Geological Description) Moscow, Gosgeoltekhizdat, 1958. 714 p. 4,000 copies printed.

Editorial Staff: Abdullayev, Kh.M., Aladinskiy, P.I., Aliyev, M.M., Amiraslanov, A.A., Antropov, P.Ya. (Chief Ed.), Aslanyan, A.T., Assovskiy, A.N., Bakirov, A.A., Belevtaev, Ya.M., Belousov, V.V., Belyayevskiy, N.A. (Dep. Chief Ed.), Betekhtin, A.G., Bogdanov, A.A., Bogatyrev, A.S., Vas'kovskiy, A.P., Veber, V.V., Golubin, V.N., Dzhanelidze, A.I., Drabkin, I.Ye., Yerzhov, V.A., Zaytsev, I.A., Kereselidze, K.G., Koptev - Dvornikov, V.S., Kreyter, V.M., Krasnikov, V.I. (Dep. Chief Ed.), Kuz'menko, V.I., Librovlch, L.S., Lungersgauzen, G.F., Magak'yan, I.G., Malinovskiy, F.M., (Dep. Chief Ed.), Marinov, N.A., Markovskiy, A.P., Merkulov, M.I. (deceased), Mirlin, G.A., Mirchink, M.F., Nalivkin, D.V., Nedzvetskii, A.P., Nikitin, P.M., Nikolayev, V.A. (Dep. Chief Ed.), Paffengol'ts, K.N., Saks, V.N., Satpayev, K.I., Semchenko, N.P., Sinitsin, N.M., Snyatkov, L.A., Strakhov, N.M., Tatarinov, P.M., Tyzhnov, A.V.

Card 1/11

Geology of the USSR (Cont.)

APPROVED FOR RELEASE: 09/17/2001

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Fedynskiy, V.V., Shatskiy, N.S., Shcherbakov, S.A., Shlygin, Ye.D., Yanshin, A.L., Yarmolyuk, V.A., Ed. of Publishing House: Godovikova, L.A.; Tech. Ed.: Gurova, O.A.

PURPOSE: This standard text on the geology of the USSR is intended for scientists and students of geology.

COVERAGE: The present volume, one of a series on the geology of the USSR, is devoted to a description of the Murmansk Oblast, an area rich in mineral resources and of great economic importance to the USSR. Bounded on the west by Norway and Finland, in the south by the Karelian SSR, and in the north and east by the Barents and the White seas, it encompasses the Kola Peninsula, and constitutes a part of the extensive Baltic Shield. Its crystalline base is mainly Archean, with the entire region, except the coastal strip and the high mountain tundra, consisting of Quaternary deposits, often of great thickness. The present work was prepared by a group of scientists under the direction of L.Ya. Kharitonov, assisted by A.P. Rotay in editing the section on stratigraphy and N.A. Volotovskaya in editing certain of the articles. There are 50 maps, including 1 large supplementary map in color, and 650 references of which approximately 550 are Soviet, 34 German, 12 English, 5 Norwegian, 5 Swedish, 5 Finnish, and 5 French.

Card 2/11



Geology of the USSR (Cont.)

SOV/1192

Archean	63
Introduction (A. Kharitonov, L.Ya.)	63
Stratigraphy (Ozhinskiy, I.S.)	69
Magmatic activity and metamorphism	91
Basic Lower Archean intrusions (Ozhinskiy, I.S.)	91
Gabbro-amphibolite and amphibolitic gneissic complexes	91
Hypersthene gneiss-diorite complexes	95
Basic Upper Archean intrusions	98
Complex of basic metamorphic rocks of granulitic formation (Volodin, Ye.N. and Polferov, D.V.)	98
Complex of anorthosites, gabbro-norites, gneissic norites and diorites of the Kandalaksha, Kolvitskoe Lake and Por'ya Gulf regions (Volodin, Ye.N.)	112
Archean granites	121
Complex of Lower Archean oligoclase granites, granodiorites and gneissic granites (Ozhinskiy, I.S.)	121
Microcline granites of the Upper Archean (Kharitonov, L.Ya. and Volodin, Ye.N.)	126
Conclusions	137
Proterozoic	139
Foreword (Kharitonov, L.Ya.)	139

Card 4/11

Geology of the USSR (Cont.)

SOV/1192

Stratigraphy	148
Proterozoic formations of the eastern part of the Kola Peninsula	150
Imandra-Varzuga suites (Yegorova-Fursenko, Ye.N.)	150
Sedimentary - volcanic complex of rocks in rivers	
Ponoy-Kachkovka-Snezhnitsa area (Yegorova-Fursenko, Ye.N., supplementary remarks by L.Ya. Kharitonov.)	175
Keyv suite (Sokolov, P.V.)	180
Voron'ya Tundra - Porosozero suites-(Voron'ya - Porosozero) (Yegorova-Fursenko, Ye.N. and Sokolov, P.V.)	246
Proterozoic formations of the northwestern part of the Kola Peninsula	253
Complex of slaty amphibolites (Yegorova-Fursenko Ye.N.)	253
Lower-Proterozoic formations of the White Sea area (Yegorova-Fursenko, Ye.N.)	257
Korva tundra suites Yegorova-Fursenko, Ye.N.)	258
Suite of slaty-amphibolites of the Podas, Khanlaut-Varaka, Terma and Kareka tundras (Yegorova-Fursenko, Ye.N.)	260
Tikshozero suites (Kharitonov, L.Ya.)	262

Card 5/11

Geology of the USSR (Cont.)

SOV/1192

Basic and ultrabasic intrusions of Mt. Zasteyd II and Lovnozero (Murashov, D.F. and Polferov, D.V.)	314
Ultrabasic intrusions of the "Serpentinovyy Poyas" (Serpentine Belt)-Podas Tundra, etc. (Murashov, D.F.)	318
Olivine pyroxenites, peridotites and other younger intrusions of the Kolvitskiy and Kandalakshskiy massifs (Kharitonov, L.Ya.)	321
Basic and ultrabasic rocks of the basin of the lower Varzuga, Strel'na, Pyalitsa Rivers and the Ondomskiye Lakes (Kharitonov, L.Ya.)	322
Granites	
Microcline granites of the northwestern part of the Kola region (Yegorova-Fursenko., Ye.N.)	325
Microcline granites of the eastern part of the Kola region (Yegorova-Fursenko, Ye.N. Kharitonov, L.Ya.)	328
Microcline granites of the White Sea region (Kharitonov, L.Ya.)	333
Metamorphism of Proterozoic formations (Yegrova-Fursenko, Ye.N. and Kharitonov, L.Ya.)	337
Metamorphic phenomena and the origin of the Keyv crystalline suite of rocks (Kharitonov, L.Ya.)	344
General conclusion on magmatic phenomena in the Proterozoic	

Card 7/11

Geology of the USSR (Cont.)

CIA-RDP86-00513R000721820003-8

(Kharitonov, L.Ya. and Yegorova-Fursenko, Ye.N.)	352
Problems of further study of Proterozoic formations (Kharitonov, L.Ya. and Yegorova-Fursenko, Ye.N.)	356
Paleozoic	358
Introduction (Kharitonov, L.Ya.)	361
Stratigraphy	
Eo-cambrian deposits of Rybachiy and Sredniy peninsulas and Kil'din Island (Lyutkevich, Ye.M. and Kharitonov, L.Ya.)	361
Terskaya suite (Yegorova-Fursenko Ye.N., Yeliseyev, N.A. and Yudin, B.A.)	370
Lower Paleozoic	378
Pechenga-Kuchin suite (Kuryleva, N.A., Yegorova-Fursenko, Ye.N., supplementary data by Kharitonov L.Ya.)	378
Middle Paleozoic	400
Lovozerkaya suite (Eliseyev, N.A.)	400
Paleozoic intrusions	403
Introduction (Kharitonov, L.Ya.)	405
Lower Paleozoic intrusions	
Basic and ultrabasic intrusions in the Pechenga-Kuchin suite (Papushis, B.I.)	405

Card 8/11

Geology of the USSR (cont.)

SOV/1192

Massif south of Lake Purnach (Yudin, B.A.)	462
Alkaline granites of the northwestern part of the Kola region	466
The Chagveuyv massif (Yeliseyev, N.A.)	466
Alkaline granites of the White Sea region	467
Massifs in the Kanozero area (Batiyeva, I.D.)	467
Massifs in the vicinity of the Sal'nyye, Teps, Kareka and Terma tundras (Ozhinskiy, I.S.)	472
Massifs in the area of Por'ya gulf (Ozhinskiy, I.S.)	474
Group of basic dikes (Yeliseyev, N.A.)	477
Middle Paleozoic shield intrusions	479
Nepheline-syenite intrusions of Khibinskiye and Lovozerskiye tundras (Yeliseyev, N.A.)	479
Nepheline-syenite lodes of other regions of the Kola Peninsula (Kharitonov, L.Ya.)	499
Conclusion (Kharitonov, L.Ya. and Yeliseyev, N.A.)	501
Objectives in further studies of the Paleozoic of the Kola Peninsula (Yeliseyev, N.A. and Kharitonov, L.Ya.)	508
Cenozoic Era	509
Quaternary deposits (Lavrova, U.A.)	509

Card 10/11

Geology of the USSR (Cont.)

Ch. V. Tectonics (Kharitonov, L.Ya.)	548
Tectonic grouping	548
Structure description	553
Kola region	533
White Sea region	614
Ch. VI. Geomorphology (Apukhtin, N.I.)	632
Ch. VII. History of Geological Development (Kharitonov, L.Ya.)	653
Bibliography	673
Index of Geographical Names	697
Subject Index	708

AVAILABLE Library of Congress

Card 11/11

MM/gap  
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VYATURYUNEN, Kh. [Väyrynen, Heikki]; GROMOVA, Z.T. [translator];  
NOKELAYNEN, S.I. [translator]; KHARITONOV, L.Ya., red.;  
YAKOVENKO, M.Ye., red.; BELEVA, M.A., tekhn.red.

[Crystalline foundation of Finland] Kristallicheskii fundament  
Finlandii. Pod red. i s predisl. L.IA.Kharitonova. Moskva,  
Izd-vo inostr.lit-ry, 1959. 295 p. (MIRA 13:3)  
(Finland--Rocks, Crystalline and metamorphic)

KHARITONOV, L.Ya.

Cases of alkaline metasomatism in gneisses of the eastern part  
of the central watershed of the Kola Peninsula (Keyv Range).  
Uch. zap. LGU no. 291:179-201-'60. (MIRA 13:7)

(Keyv Range--Gneiss)  
(Metasomatism)

KHARITONOV, L.Ya.

Geology of Karelian formations in Karelia. Mat. po geol. i  
pol. iskop. Sev.-Zap. RSFSR no.3:88-138 '62. (MIRA 17:12)

KHARITONOV, L.Ya.

Types of sections, stratigraphy, and some problems of the structure and  
igenous activity of Karelian folding. Sov.geol. 6 no.4:24-53 Ap '63.  
(MIH. 16:4)

1. Institut zamnoy kory Leningradskogo gosudarstvennogo universiteta.  
(Karelia—Folds (Geology))

BERGHEIM, L. Ya.

Geology of Karelian Foldings in the Kola Peninsula. Trudy Lab.  
geol. dokum. no. 1945-57 '64. (MIRA 17:8)



KHARITONOV, L. Ya.; BOGDANOV, Yu.B.; VOINOV, A.S.; SUKHANOV, V.A.

Stratigraphy of iron-ore formations in western Karelia. Vest.  
LGU no.24:35-43 '64 (MIRA 18:1)

BOGDANOV, Yu.B.; VOINOV, A.S.; SUKHANOV, V.A.; KHARITONOV, L.Ya.

Structural relations between the Karelian and the Belomorsk  
formations in the Kem' region of eastern Karelia. Dokl. AN  
SSSR 156 no. 3:550-553 '64. (MDA: 17:5)

1. Leningradskiy gosudarstvennyy universitet im. A.A.Zhdanova.  
Predstavleno akademikom D.V.Nalivkinym.

KHARITONOV, L.P., inzh.

Improvement of the operation of jet-shot systems. Energ. i elektro-  
tekh. prom. no.3:(G-61 J1-S '64. (MIRA 17:11)

KHARITONOV, M.A., insh.

Motorships and diesel electric ships. Rech. transp. 17 no.3:30  
Mr '58. (MIRA 11:4)  
(Motorships) (Marine diesel engines)

KHARITONOV, M.F.; ISAYEV, G.I.

Concerning the temperature regime of the Buzovny-Mashtagi  
oil field. Izv. vys. ucheb. zav.; neft' i gaz 7 no.11:3-7  
'64. (MIRA 18:11)

1. Azerbaydzhanskiy institut nefti i khimii im. M. Azizbekova.

KHARITONOV, M.F., kand.geol.-min.nauk

Determining actual thickness of layer on the basis of well data.  
Trudy Azerb. ind. inst. no.18:109-122 '57. (MIRA 11:7)  
(Petroleum geology)

LAZAREV, V.N. (Ufa); DEVLIKAMOV, V.V. (Ufa); YAKUBOV, A.A. (Baku);  
KHARITONOV, M.F. (Baku)

Concerning the book by M.A. Zhdanov "Petroleum geology."

Izv. vys. ucheb. zav.; neft' i gaz 6 no.8:110-112 '63.

(MIRA 17:6)

KHARITONOV, M.F. (Kaluga); CHUGUNOV, A.G. (Kaluga)

Kaluga plant, manufacturer of track needs. Put' 1 put.  
khoz. 4 no. 12:22-23 D '60. (MIRA 13:12)

1. Glavnyy inzhener Kaluzhskogo zavoda transportnogo  
mashinostroyeniya (for Kharitonov). 2. Zamestitel' glavnogo  
konstruktora Kaluzhskogo zavoda transportnogo mashinostroyeniya  
(for Chugunov).

(Kaluga--Machinery industry)  
(Railroads--Equipment and supplies)



KHAMILONOV, M.F.

Distribution of temperatures with depth in the oil region. Izv.  
vys. ucheb. zav.; neft' i gaz 4 no.3:3-8 '61. (MIRA 16:10)

1. Azerbaydzhanskiy institut nefti i khimii im. M.Azizbekova.

SHKABEL'NIKOV, Gennadiy Petrovich; KHARITONOV, M.F., inzh.,  
retsensent; PREOBRAZHENSKIY, Yu.N., inzh., red.;  
USENKO, L.A., tekhn. red.

[Dismountable railroad motorcars] S'emnye motoĭreziny.  
Moskva, Transzheldorizdat, 1963. 226 p. (MIRA 16:5)  
(Railroad motorcars)

YAKUEOV, A.A.; KHARITONOV, M.F.; MATVEYEV, Ye.I.

Method for processing temperature measurements of wells. Izv.vys.  
ucheb.zav.; neft' i gaz 5 no.8:3-9 '62. (MIRA 17:3)

1. Azerbaydzhanskiy institut nefti i khimii im. M.Azizbehova.

MEKASHEV, V.; BALK. M.M., kand. tekhn. nauk, red.; KHARITONOV,  
H.F., dots , red.; PRIGOZHIN, M.G., inzh., red.;  
RURULOV, N.A., tokar'-novator, red.; SOKOLOV, A.I.,  
novator, slesar'-instrumental'shchik, red.; YARTSEV, N.,  
red.

[Innovators suggest] Novatory sovetuiut. Moskva, Mosk.  
rabochii, 1964. 150 p. (MIRA 17:8)

KHARITONOV, Mikhail Gavrilovich; LEPLINSKIY, M.P., red.; BORUNOV, N.I.,  
tekhn.red.

[Maintenance and repair of complex distributing devices  
manufactured by the Zaporozh'ye plant] Opyt obsluzhivaniia  
i remonta KHU Zaporozhakogo zavoda. Moskva, Gos.energ.izd-vo,  
1960. 46 p. (Biblioteka elektromontera, no.17).  
(Zaporozh'ye--Electric switchgear) (MIRA 13:9)

KHARITONOV, M.G.

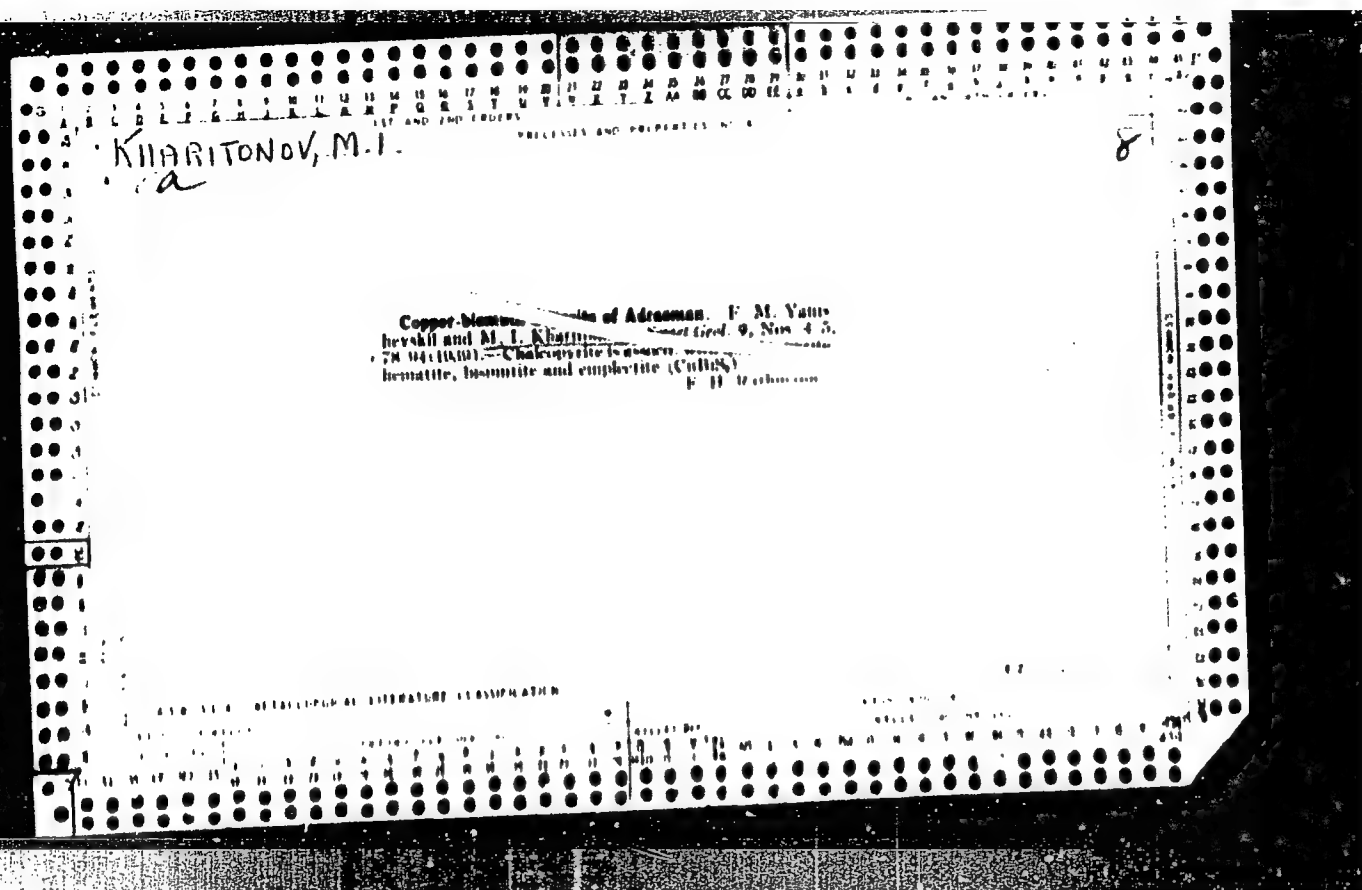
Concerning the connection of leads on electric transformers.  
Energetik 8 no.9:14-15 S '60. (MIRA 14:9)  
(Electric transformers)

*KHARITONOV, M.I.*

PICHENYUK, Ya.D.; RUSANOV, K.S.; KHARITONOV, M.I.; SHPITAL'NIKOV, A.G.

Roofing support by means of bolts. TSvet, met. 26 no.2:11-19  
Mr-Ap '53. (MLRA 10r9)

(Mine timbering)





MITROFANOV, S.I.; SOKOLOVA, G.Ye.; KHARITONOV, M.I.; TROYANOV, D.M.

Producing two barium concentrates for the petroleum and chemical industries at the Mirgalimsay ore dressing plant. TSvet. met. 38  
no.5:9-11 My '65. (MIRA 18:6)

MITROFANOV, S.I.; SOKOLOVA, G.Ye.; KHARITONOV, M.I.; TROFIMOVA, V.I.

Improving the technology of barite recovery at the Mirgalimsay Plant.  
TSvet. met. 35 no.6:18-23 Je '62. (MIRA 15:6)  
(Mirgalimsay region—Barite)

GUDKOVA, A.S.; ALEYNIKOVA, M.Ya.; KHARITONOVA, M.L.; REUTOV, O.A.

Complexes of azines and hydrazones with mercury halides. Izv.  
AN SSSR.Otd.khim.nauk no.8:1496 Ag '62. (MIRA 15:8)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova i  
Institut elementoorganicheskikh soyedineniy AN SSSR.  
(Azines) (Hydrazones) (Mercury halides)

IVANOV, S.; KHARITONOV, N.

In the drive for technical progress. Rech. transp. 20 no.1:10-12  
Ja '61. (MIRA' 14:2).

1. Nachal'nik Sluzhby sudovogo khozyaystva Belomorsko-Onezhskogo  
parokhodstva (for Ivanov). 2. Nachal'nik Planovo-ekonomicheskogo  
otdela Belomorsko-Onezhskogo parokhodstva (for Kharitonov).  
(Inland water transportation)

<sup>1-1</sup>  
KHARITONOV, N.

Flaws in the new machinery. Okhr.truda i sots.strakh. 4 no.7:26  
Jl '61. (MIRA 14:7)

1. Tekhnicheskij inspektor Stalingradskogo oblsovprofa.  
(Textile machinery--Safety appliances)

KHARITONOV, N.

River crossing should be operational in winter. Rech. transp.  
21 no.10:14-15 0 '62. (MIRA 15:10)

1. Nachal'nik Kimrskogo ekspluatatsionnogo uchastka.

(Ice on rivers, lakes, etc.)

KHARITONOV, N., inzhener-ekonomist

Business accounting production sections at the Pavlodar  
Grain Elevator. Muk.-elev. prom. 28 no.7:19-20 J1 '62.  
(MIRA 15:9)

1. Pavlodarskiy elevator. TSelinnyy kray.  
(Pavlodar--Grain elevators)

KHARITONOV, N.

Chlorophos and Eurygaster integriceps. Un. nat. no.5:7  
My '63. (MIRA 16:7)

(Chlorophos) (Eurygasters)



KHARITONOV, N.A.; SOKOLOVA, V.A.; NADEZHINA, A.M., tekhn. red.

[Using new oil-free binders for core mixtures in foundry practice] Primenenie novykh bezmaslianykh krepitelei dlia stershnevykh smesei v liteinom proizvodstve; po materialam TsNII Glavformomaterial MM i P. Leningrad, Leningr. dom tekhniki mashinostroenia, 1949. 21 p.

(MIRA 16;8)

(Binding materials) (Coremaking)

SHEKHURIN, Diodor Yefremovich; ~~KHARITONOV, N.D.~~, red.; VASIL'YEV,  
Yu.A., red. izd-va; BELOGUROVA, I.A., tekhn. red.

[Analysis and dissemination of information] Analiz i obobshchenie  
informatsii. Leningrad, Leningr. dom nauchno-tekhn. propagandy,  
1962. 20 p. (MIRA 15:5)  
(Information services) (Research)



1. PHARITONOV, N. F.

2. USSR (600)

4. Pipe, Glass

7. Commenting on material that appeared in the magazine. Vin.SSSR 13 No. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.